

## RAW SEQUENCE LISTING

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Application Serial Number: 10562, 081A  
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IFWP

## RAW SEQUENCE LISTING

DATE: 02/01/2007

PATENT APPLICATION: US/10/562,081A

TIME: 12:10:04

Input Set : A:\50318.011001.ST25.txt

Output Set: N:\CRF4\02012007\J562081A.raw

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3 <110> APPLICANT: Vuolteenaho, Olli
4     Ala-Kopsala, Minna
5     Ruskoaho, Heikki
6     Leppaluoto, Juhani
7     Haapalahti, Jouko
9 <120> TITLE OF INVENTION: Assay
11 <130> FILE REFERENCE: 50318/011001
13 <140> CURRENT APPLICATION NUMBER: US 10/562,081A
14 <141> CURRENT FILING DATE: 2005-12-23
16 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/006971
17 <151> PRIOR FILING DATE: 2004-06-28
19 <150> PRIOR APPLICATION NUMBER: GB 0315291.5
20 <151> PRIOR FILING DATE: 2003-06-30
22 <160> NUMBER OF SEQ ID NOS: 36
24 <170> SOFTWARE: PatentIn version 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 126
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens
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37 Asn Leu Leu Asp His Leu Glu Glu Lys Met Pro Leu Glu Asp Glu Val
38           20           25           30
41 Val Pro Pro Gln Val Leu Ser Glu Pro Asn Glu Glu Ala Gly Ala Ala
42           35           40           45
45 Leu Ser Pro Leu Pro Glu Val Pro Pro Trp Thr Gly Glu Val Ser Pro
46           50           55           60
49 Ala Gln Arg Asp Gly Gly Ala Leu Gly Arg Gly Pro Trp Asp Ser Ser
50 65           70           75           80
53 Asp Arg Ser Ala Leu Leu Lys Ser Lys Leu Arg Ala Leu Leu Thr Ala
54           85           90           95
57 Pro Arg Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg
58           100          105          110
61 Ile Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
62           115          120          125
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67 <212> TYPE: PRT
68 <213> ORGANISM: Homo sapiens
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72 Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
73 1           5           10           15

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76 Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
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83 <213> ORGANISM: Homo sapiens
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87 Asn Pro Met Tyr Asn Ala Val Ser Asn Ala Asp Leu Met Asp Phe Lys
88 1          5          10          15
91 Asn Leu Leu Asp His Leu Glu Glu Lys Met Pro Leu Glu Asp Glu Val
92          20          25          30
95 Val Pro Pro Gln Val Leu Ser Glu Pro Asn Glu Glu Ala Gly Ala Ala
96          35          40          45
99 Leu Ser Pro Leu Pro Glu Val Pro Pro Trp Thr Gly Glu Val Ser Pro
100          50          55          60
103 Ala Gln Arg Asp Gly Gly Ala Leu Gly Arg Gly Pro Trp Asp Ser Ser
104 65          70          75          80
107 Asp Arg Ser Ala Leu Leu Lys Ser Lys Leu Arg Ala Leu Leu Thr Ala
108          85          90          95
111 Pro Arg
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116 <211> LENGTH: 108
117 <212> TYPE: PRT
118 <213> ORGANISM: Homo sapiens
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123 1          5          10          15
126 Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu Leu Gln
127          20          25          30
130 Val Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr
131          35          40          45
134 Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly His
135          50          55          60
138 Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met
139 65          70          75          80
142 Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp Arg Ile Ser Ser
143          85          90          95
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147          100          105
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151 <211> LENGTH: 32
152 <212> TYPE: PRT
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155 <400> SEQUENCE: 5
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162          20          25          30
165 <210> SEQ ID NO: 6

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166 <211> LENGTH: 76
167 <212> TYPE: PRT
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170 <400> SEQUENCE: 6
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176 Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu Leu Gln
177      20     25     30
180 Val Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr
181      35     40     45
184 Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly His
185      50     55     60
188 Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg
189 65      70      75
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193 <211> LENGTH: 378
194 <212> TYPE: DNA
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200 catttggaag aaaagatgcc tttagaagat gaggtcgtgc cccacaagt gctcagtga      120
202 ccgaatgaag aagcgggggc tgctctcagc cccctccctg aggtgcctcc ctggaccggg      180
204 gaagtcagcc cagcccagag agatggaggt gccctcgggc ggggcccctg ggactcctct      240
206 gatcgatctg ccctcctaaa aagcaagctg agggcgctgc tctactgcccc tcggagcctg      300
208 cggagatcca gctgcttcgg gggcaggatg gacaggattg gagcccagag cggactgggc      360
210 tgtaacagct tccggtac                                     378
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214 <211> LENGTH: 84
215 <212> TYPE: DNA
216 <213> ORGANISM: Homo sapiens
218 <400> SEQUENCE: 8
219 agcctgcgga gatccagctg cttcgggggc aggatggaca ggattggagc ccagagcgga      60
221 ctgggctgta acagcttccg gtac                                     84
224 <210> SEQ ID NO: 9
225 <211> LENGTH: 294
226 <212> TYPE: DNA
227 <213> ORGANISM: Homo sapiens
229 <400> SEQUENCE: 9
230 aatcccatgt acaatgccgt gtccaacgca gacctgatgg atttcaagaa tttgctggac      60
232 catttggaag aaaagatgcc tttagaagat gaggtcgtgc cccacaagt gctcagtga      120
234 ccgaatgaag aagcgggggc tgctctcagc cccctccctg aggtgcctcc ctggaccggg      180
236 gaagtcagcc cagcccagag agatggaggt gccctcgggc ggggcccctg ggactcctct      240
238 gatcgatctg ccctcctaaa aagcaagctg agggcgctgc tctactgcccc tcgg          294
241 <210> SEQ ID NO: 10
242 <211> LENGTH: 324
243 <212> TYPE: DNA
244 <213> ORGANISM: Homo sapiens
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247 caccgctggt gcagccccgg ttcagcctcg gacttggaaa cgtccggggt acaggagcag      60

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249 cgcaaccatt tgcagggcaa actgtcggag ctgcaggtgg agcagacatc cctggagccc      120
251 ctccaggaga gccccgtcc cacaggtgtc tggaagtccc gggaggtagc caccgagggc      180
253 atccgtgggc accgcaaaat ggtcctctac accctgcggg caccacgaag cccaagatg      240
255 gtgcaagggt ctggctgctt tgggaggaag atggaccgga tcagctcttc cagtggcctg      300
257 ggctgcaaag tgctgaggcg gcat                                           324
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262 <212> TYPE: DNA
263 <213> ORGANISM: Homo sapiens
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266 agccccaaga tgggtgcaagg gtctggctgc tttgggagga agatggaccg gatcagctcc      60
268 tccagtggcc tgggctgcaa agtgtctgagg cggcat                             96
271 <210> SEQ ID NO: 12
272 <211> LENGTH: 228
273 <212> TYPE: DNA
274 <213> ORGANISM: Homo sapiens
276 <400> SEQUENCE: 12
277 caccgctgg gcagccccgg ttcagcctcg gacttggaaa cgtccgggtt acaggagcag      60
279 cgcaaccatt tgcagggcaa actgtcggag ctgcaggtgg agcagacatc cctggagccc      120
281 ctccaggaga gccccgtcc cacaggtgtc tggaagtccc gggaggtagc caccgagggc      180
283 atccgtgggc accgcaaaat ggtcctctac accctgcggg caccacga                228
286 <210> SEQ ID NO: 13
287 <211> LENGTH: 25
288 <212> TYPE: PRT
289 <213> ORGANISM: Artificial sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Synthetic peptide
294 <400> SEQUENCE: 13
296 Ser Gly Leu Gln Glu Gln Arg Asn His Leu Arg Ser Ala Leu Leu Lys
297 1          5          10          15
300 Ser Lys Leu Arg Ala Leu Leu Thr Ala
301          20          25
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305 <211> LENGTH: 107
306 <212> TYPE: PRT
307 <213> ORGANISM: Artificial sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Synthetic peptide
312 <400> SEQUENCE: 14
314 His Pro Leu Gly Ser Pro Gly Ser Ala Ser Asp Leu Glu Thr Ser Gly
315 1          5          10          15
318 Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu Leu Gln
319          20          25          30
322 Val Glu Gln Thr Ser Glu Asp Glu Val Val Pro Pro Gln Val Leu Ser
323          35          40          45
326 Glu Pro Asn Glu Glu Ala Gly Ala Ala Leu Ser Pro Leu Pro Glu Val
327          50          55          60
330 Pro Pro Trp Thr Gly Glu Val Ser Pro Ala Gln Arg Asp Gly Gly Ala
331 65          70          75          80

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334 Leu Gly Arg Gly Pro Trp Asp Ser Ser Asp Arg Ser Ala Leu Leu Lys
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339          100                      105
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345 <213> ORGANISM: Artificial sequence
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348 <223> OTHER INFORMATION: Synthetic peptide
350 <400> SEQUENCE: 15
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356 Gly Lys Leu Ser Asp His Leu Glu Glu Lys Met Pro Leu Glu Asp Glu
357          20          25          30
360 Val Val Pro Pro Gln Val Leu Ser Glu Pro Asn Glu Glu Ala Gly Ala
361          35          40          45
364 Ala Leu Ser Pro Leu Pro Glu Val Pro Pro Trp Thr Gly Glu Val Ser
365          50          55          60
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369 65          70          75          80
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382 <223> OTHER INFORMATION: Synthetic peptide
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391 <211> LENGTH: 174
392 <212> TYPE: PRT
393 <213> ORGANISM: Artificial sequence
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396 <223> OTHER INFORMATION: Synthetic peptide
398 <400> SEQUENCE: 17
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401 1          5          10          15
404 Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu Leu Gln
405          20          25          30
408 Val Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr
409          35          40          45
412 Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly His
413          50          55          60
416 Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Asn Pro Met Tyr
417 65          70          75          80
420 Asn Ala Val Ser Asn Ala Asp Leu Met Asp Phe Lys Asn Leu Leu Asp

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**VERIFICATION SUMMARY**

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